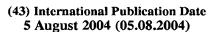
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- (71) Applicant (for all designated States except US): LG ELECTRONICS INC. [KR/KR]; 20, Yoido-dong. Youngdungpo-gu, Seoul 150-010 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SUH, Sang Woon [KR/KR]; 110-709, Hyundai Apt., 1346, Seocho, 2-dong, Seocho-gu, Seoul 137-861 (KR). KIM, Jin Yong [KR/KR]; 109-602, Seonkyung Apt., Yatap-dong, Bundang-gu, Seongnam, Kyunggi-do 463-928 (KR).
- (74) Agent: PARK, Lae Bong; 1Fl., Dongun Bldg., 413-4, Dogok 2-dong, Kangnam-gu, Seoul 135-272 (KR).

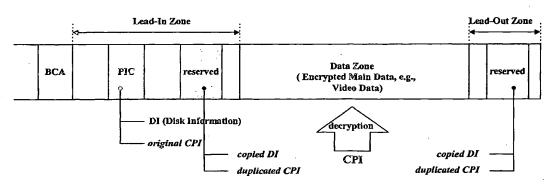
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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Published:

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF MANAGING COPY PROTECTION INFORMATION OF A RECORDING MEDIUM, RECORDING MEDIUM WITH COPY PROTECTION INFORMATION FOR CONTENTS RECORDED THEREON, AND REPRODUCING METHOD FOR THE RECORDING MEDIUM



(57) Abstract: The present invention relates to a method of managing CPI (Copy Protection Information) for preventing unauthorized copy of encrypted content recorded on a high-density recording medium such as a BD-ROM (Blu-ray Disc ROM). In the present method, when main content data is recorded in encrypted manner, CPI that is necessary to decrypt the encrypted main content data is written in a predetermined PIC area and is also copied at least once in an area other than the PIC area.

PATENT COOPERATION TRE .TY PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P04502DP	FOR FURTHER ACTION	as well	see Form PCT/ISA/220 sas, where applicable, item	5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (da	ay/month/year)
PCT/KR2004/000113	24 JANUARY 2004 (24.01.2004)	24 JANUARY 2003 (24	.01.2003)
Applicant				
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LG Electronics Inc. et al			,	
This International search report has been prep to Article 18. A copy is being transmitted to the This international search report consists of a total control of the transmitted to the	he International Bureau. otal of2 sh	neets.		licant according
It is also accompanied by a cop	y of each prior art docume	nt cited in this report.		
Basis of the report a. With regard to the language, the integrated language in which it was filed, unless The international search	ss otherwise indicated unde	er this item.	f the international application	•
this Authority (Rule 23.	1(b)).		•	
b. With regard to any nucleotide	and/or amino acid seque	nce disclosed in the in	ternational application, see	Box No. I.
2. Certain claims were found un	searchable (See Box No.	II)	· .	
3. Unity of invention is lacking (•			
4. With regard to the title,	,555 2 57, 515, 515,		•	
the text is approved as submitte	d by the applicant			
the text has been established by		follows:		
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5. With regard to the abstract,	•			
5. With regard to the abstract, X the text is approved as submitte	d by the applicant			
the text has been established, as		v this Authority as it.	appears in Box No IV The	annlicant
may, within one month from th				
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6. With regard to the drawings,a. the figure of the drawings to be pub	liched with the abstract is l	Figure No. 5		
as suggested by the applic		iguic ivo.		
because the applicant faile				
because this figure better of		•		:
b. none of the figure is to be publi				• • • • • • • • • • • • • • • • • • • •
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A. CLASSIFICATION OF SUBJECT MATTER

IPC7 G11B 20/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B 20/10 G11B 20/12 G11B 7/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for inventions since 1975

Korean Utility models and applications for utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)
"encrypt*", "decrypt*", "scramble", "key", "copy protect"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category [‡]	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,289,102 B1 (MATSUSHITA) 11 SEP 2001 See the whole document	1-18
Α .	US 6,031,815 A (U.S. PHILIPS) 29 FEB 2000 See the whole document	1-18
A	EP 0936610 A2 (SONY) 18 AUG 1999 See the whole document	1-18
A	US 2001/0036132 A1 (SONY) 01 NOV 2001 See the whole document	1-18
-		

Further documents are listed in the continuation of Box C.	See patent family a	nnex

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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

06 MAY 2004 (06.05.2004)

Date of mailing of the international search report

06 MAY 2004 (06.05.2004)

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Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

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Authorized officer

HAN, Choong Hee

Telephone No. 82-42-481-5700

